• •							
Sheet n 1	.yof 4		OIPE				
INFORM	NATION DISCLOSURE	ATTY. (DOCKET NO. July 3	SERIAL NO.			
	CITATION	829-6 APPLIC	520 EANT	10/771,263			
(Use	several sheets if necessary)		ADA et al	GROUP			
•				2871			
			J.S. PATENT DOCUMENTS	20/1			
*EXAMINER			J.S. PATENT DOCUMENTS			FILING	DATE
INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPRO	<u>OPRIATE</u>
T.R.C	4,431,272	2-1984	Yazawa et al.	349	113		
	4,451,525	5-1984	Kawazoe et al.	428	213		
	4,636,038	1-1987	Kitahara et al.	349	132		
	4,943,838	7-1990	Ukai	257	347		
	5,003,356	3-1991	Wakai et al.	257	390		
	5,045,905	9-1991	Motai et al.	257	325		<u> </u>
	5,072,262	12-1991	Uekita et al.	257	410	_	
	5,177,588	1-1993	li et al.	257	640		
	5,229,644	7-1993	Wakai et al.	257	749		
	5,246,782 9-19 5,281,546 1-19		Kennedy et al.	428	421		
			Possin et al.	43-8	158		
	5,287,208	2-1994	Shimoto et al.	349	123		
	5,294,820	3-1994	Gemma et al.	257	324	-	-
	5,408,345	4-1995	Mitsui et al.	349	42		
	5,411,629	5-1995	Warfield	216	34		
	5,477,359	12-1995	Okazaki	349	130		
- 	5,486,493	1-1996	Jeng	438	623		
	5,500,750	3-1996	Kanbe et al.	349	113		
/-	5,576,630	11-1996	Fujita	324	760		
	5,585,951	12-1996	Noda et al.	349	122		
	0,000,001		REIGN PATENT DOCUMENTS	1011	700		_
	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANS YES	LATION NO
*	05-4865-047	5-1992	EP				
TREI	0 486 047 A2	5-1992	EP				
- 1.K. J	0 536 898 A1	4-1993	EP		-		
	0 589 478 A2		EP		$\overline{}$		
	0 589 478 A3	3-1994 3-1994	EP EP				
+/-			EP EP				
	0 616 241 A2	9-1994	· · · · · · · · · · · · · · · · · · ·				-
	0 714 140 A1	5-1996	EP CP			 	
	2 311 653 A	10-1997	GB			partial	
	63-279228 A	11-1988	JP ID			partial	
TV.	63-289965 A	11-1988	JP			Partial	1

*Examiner Date Considered 03/03/05

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

* Did not Received these patents.

Form PTO-FB-A820 (Also PTO-1449)

INFORMATION DISCLOSURE CITATION		•		ERIAL NO.			
		829-620 APPLICANT		10/771,263			
(Use se	overal sheets if necessary)	SHIM FILING I	ADA et al	ROUP			
		Febru	ary 4, 2004 2	871			
			S. PATENT DOCUMENTS	- :	· •		
KAMINER	DO011115117111111111111		NAME.	01.400	CUIDOL ACC	FILING	
NITIAL T. /)	5,591,676	1-1997	NAME Hughes et al.	class 432	SUBCLASS 702	IF APPRO	JPHI
Rel	5,600,458	2-1997	Okano et al.	349	41	<u></u>	
	5,641,974	6-1997	Den Boer et al.	257	059	<u> </u>	
		10-1997	Numata et al.	257	758		
- 	5,675,187	2-1998	Kochi	349			
	5,721,596	2-1998	Yamaji et al.	345		,	
	5,721,601	3-1998	Mizobata et al.		138		
	5,724,111	7-1998	Kudo	257		}	
	5,780,874	10-1998			77		
	5,821,621		Jeng Maruno et al.	257	759		
	5,844,647	12-1998		3 49	110	<u> </u>	
-HH	5,847,720	12-1998	Dunand	347	1	<u> </u>	
	5,920,084	7-1999	Gu et al.	257	59		
	5,994,157	11-1999	Aggas et al.	438	30		
-	5,994,721	11-1999	Zhong et al.	257	89		
	6,038,008	3-2000	Kim et al.	349	138		
	6,100,954	8-2000	Kim et al.	349	138		
		FO	REIGN PATENT DOCUMENTS			TRANS	
	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	N
Rej/	4-6318 A	3-1992	JP		· ·	partial	
	4-163528 A	6-1992	JP			partial	
	4.007000:4	0.1000	JP				
」レー	4-257826 A	9-1992	Ų I		Ĭ	partial	
11	4-257826 A 5-203936 A	8-1993	JP			partial partial	
14						·	_
1	5-203936 A	8-1993	JP			partial	_
1 9	5-203936 A 10-133165 A	8-1993 5-1998	JP JP			partial partial	
7	5-203936 A 10-133165 A 4-237092 A	8-1993 5-1998 8-1993	JP JP JP			partial partial partial	
	5-203936 A 10-133165 A 4-237092 A 5-142570 A	8-1993 5-1998 8-1993 8-1993	JP JP JP JP			partial partial partial partial	
	5-203936 A 10-133165 A 4-237092 A 5-142570 A 6-130418 A	8-1993 5-1998 8-1993 8-1993 5-1994	JP JP JP JP			partial partial partial partial partial	
<i>y y y y y y y y y y</i>	5-203936 A 10-133165 A 4-237092 A 5-142570 A 6-130418 A 6-208137 A	8-1993 5-1998 8-1993 8-1993 5-1994 7-1994	JP JP JP JP JP			partial partial partial partial partial partial	
	5-203936 A 10-133165 A 4-237092 A 5-142570 A 6-130418 A 6-208137 A 6-242467 A	8-1993 5-1998 8-1993 8-1993 5-1994 7-1994 9-1994	JP			partial partial partial partial partial partial partial	
J	5-203936 A 10-133165 A 4-237092 A 5-142570 A 6-130418 A 6-208137 A 6-242467 A 6-250222 A	8-1993 5-1998 8-1993 8-1993 5-1994 7-1994 9-1994	JP			partial partial partial partial partial partial partial partial partial	
J	5-203936 A 10-133165 A 4-237092 A 5-142570 A 6-130418 A 6-208137 A 6-242467 A 6-250222 A 7-20496 A	8-1993 5-1998 8-1993 8-1993 5-1994 7-1994 9-1994 9-1994 1-1995	JP			partial partial partial partial partial partial partial partial partial	
	5-203936 A 10-133165 A 4-237092 A 5-142570 A 6-130418 A 6-208137 A 6-242467 A 6-250222 A 7-20496 A 7-84284 A	8-1993 5-1998 8-1993 8-1993 5-1994 7-1994 9-1994 1-1995 3-1995	JP			partial	
<i>y</i>	5-203936 A 10-133165 A 4-237092 A 5-142570 A 6-130418 A 6-208137 A 6-242467 A 6-250222 A 7-20496 A 7-84284 A 7-146491 A	8-1993 5-1998 8-1993 8-1993 5-1994 7-1994 9-1994 1-1995 3-1995 6-1995	JP			partial	
	5-203936 A 10-133165 A 4-237092 A 5-142570 A 6-130418 A 6-208137 A 6-242467 A 6-250222 A 7-20496 A 7-84284 A 7-146491 A 6-346025 A 8-15731 A	8-1993 5-1998 8-1993 8-1993 5-1994 7-1994 9-1994 1-1995 3-1995 6-1995 12-1994 1-1996	JP	nent pages.	etc.)	partial	
<i>y</i>	5-203936 A 10-133165 A 4-237092 A 5-142570 A 6-130418 A 6-208137 A 6-242467 A 6-250222 A 7-20496 A 7-84284 A 7-146491 A 6-346025 A 8-15731 A	8-1993 5-1998 8-1993 8-1993 5-1994 7-1994 9-1994 1-1995 3-1995 6-1995 12-1994 1-1996	JP	nent pages,	etc.)	partial	

Form PTO-FB-A820 (Also PTO-1449)

	NFOR	MATION DISCLOSURE	ÄTTY. L	DOCKET NO. SEF	TIAL NO.		-	
		CITATION	829-6 APPLIC		/771,263	····		
	(Usa	e several sheets if necessary)	SHIM	IADA et al GRO	OUP			
			Febru	nary 4, 2004 28	71			
				J.S. PATENT DOCUMENTS				
EXAM INIT	IINER IAL	DOCUMENT NUMBER	DATE	NAME.	CLASS	SUBCLASS	FILING IF APPRO	
			FC	REIGN PATENT DOCUMENTS				
		DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSI YES	NO
T.R.	41	7-333634 A	12-1995	JP			partial	
	1,7	6-242433 A	9-1994	JP		-	partial	
	$T_{i}\lambda$	4-199029 A	7-1992	JP			partial	
	TU	7-56190 A	3-1995	JP			partial	
	17	1-69432 A	7-1989	JP			partial	
	1	5-158071 A	6-1993	JP		~~~	partial	
	1	6-230422 A	8-1994	JP		 >	partial	_
		4-335617 A	11-1992	JP			partial	
	1	6-160902 A	6-1994	JP			partial	
	1	7-209670 A	8-1995	JP			partial	
$\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$	1	2-24624 A	1-1990	JP			partial	L
, Y				including Author, Title, Date, Pertine				
.Rc	1	Patent No. 3247870)	•	nailed March 21, 2000 in corresponding				
R.C	1	Patent No. 3247870)		December 26, 2000 in corresponding J				
	*	Decision on Appeal n	iail ed Octob	er 12, 2001 in corresponding JP applic	eation No1	0-220219 (.	Th hateu	it No.
- 1								
,		3247870)	as mailed S	eptember 13, 2002 in corresponding J		n No. 10-22		
g. c		3247870) Opposition Proceedir Patent No. 3247870)		eptember 13, 2002 in corresponding J	P applicatio	_	20219 (JI	Р
۶. c	*	3247870) Opposition Proceedir Patent No. 3247870) Decision on Appeal n 3247870)	nailed Octob	er 23, 2001 in corresponding JP applic	P applicatio	0-220219 (.	20219 (JI JP Paten	P at No.
	J	3247870) Opposition Proceedir Patent No. 3247870) Decision on Appeal n 3247870) Notice of Reasons for Patent No. 3253589)	nailed Octob	er 23, 2001 in corresponding JP applic	P application No. 14	0-220219 (Jation No. 10	20219 (JI JP Paten)-220220	P nt No.) (JP
	J	3247870) Opposition Proceedir Patent No. 3247870) Decision on Appeal n 3247870) Notice of Reasons for Patent No. 3253589)	nailed Octob	er 23, 2001 in corresponding JP applic	P application No. 14	0-220219 (Jation No. 10	20219 (JI JP Paten)-220220	P nt No.) (JP
	J	3247870) Opposition Proceedir Patent No. 3247870) Decision on Appeal n 3247870) Notice of Reasons for Patent No. 3253589) Notice of Final Reject Patent No. 3253589)	nailed Octob Rejection n ion mailed [er 23, 2001 in corresponding JP applic	P application No. 10 g JP application P application	0-220219 (. ation No. 10 n No. 10-22	20219 (JI JP Paten 0-220220 20220 (JI	P nt.No.) (JP P
	J	3247870) Opposition Proceedir Patent No. 3247870) Decision on Appeal n 3247870) Notice of Reasons for Patent No. 3253589) Notice of Final Reject Patent No. 3253589) Decision on Appeal n 3253589) Notice of Reasons for	Rejection nailed Conailed Octobrated Octobrated Rejection nailed	per 23, 2001 in corresponding JP applied mailed March 21, 2000 in corresponding JP applied per 23, 2001 in corresponding JP applied mailed March 16, 2004 in corresponding JP applied mailed March 16, 2004 in corresponding	P application No. 10 g JP application P application cation No. 10	0-220219 (Jation No. 10 n No. 10-22	20219 (JI JP Paten 0-220220 20220 (JI JP Paten	P ot No. (JP pt No.
	J	3247870) Opposition Proceedir Patent No. 3247870) Decision on Appeal n 3247870) Notice of Reasons for Patent No. 3253589) Notice of Final Reject Patent No. 3253589) Decision on Appeal n 3253589) Notice of Reasons for which is a divisional a	Rejection nailed Conailed October Rejection rapping of JP	per 23, 2001 in corresponding JP applied nailed March 21, 2000 in corresponding JP applied December 26, 2000 in corresponding JP applied 13, 2001 in corresponding JP applied 16, 2004 in corresponding 10-220220	P application No. 10 g JP application P application eation No. 10 g JP applica	0-220219 (ation No. 10 n No. 10-22 0-220220 (ation No. 20	20219 (JI JP Paten 0-220220 20220 (JI JP Paten	P ot No. O (JP P ot No.
Re	J	3247870) Opposition Proceedir Patent No. 3247870) Decision on Appeal n 3247870) Notice of Reasons for Patent No. 3253589) Notice of Final Reject Patent No. 3253589) Decision on Appeal n 3253589) Notice of Reasons for which is a divisional a	Rejection nailed Conailed October Rejection rappin: of JP	per 23, 2001 in corresponding JP applied mailed March 21, 2000 in corresponding JP applied per 23, 2001 in corresponding JP applied mailed March 16, 2004 in corresponding JP applied March 2004 in corresponding JP appl	P application No. 10 g JP application P application eation No. 10 g JP applica	0-220219 (ation No. 10 n No. 10-22 0-220220 (ation No. 20	20219 (JI JP Paten 0-220220 20220 (JI JP Paten	P ot No. O (JP P ot No.
Re	J	3247870) Opposition Proceedir Patent No. 3247870) Decision on Appeal no. 3247870) Notice of Reasons for Patent No. 3253589) Notice of Final Reject Patent No. 3253589) Decision on Appeal no. 3253589) Notice of Reasons for Which is a divisional at Chinese Office Action	Rejection nailed Cotob Rejection railed Octob Rejection rappin: of JP Rejection rappin. of JP and English	per 23, 2001 in corresponding JP applied mailed March 21, 2000 in corresponding JP applied per 23, 2001 in corresponding JP applied mailed March 16, 2004 in corresponding JP applied March 2004 in corresponding JP appl	P application No. 10 g JP application eation No. 10 g JP application g JP application	0-220219 (ation No. 10 n No. 10-22 0-220220 (ation No. 20	20219 (JI JP Paten 0-220220 20220 (JI JP Paten 001-4440	P It No. If No. If No. If No.
Re. C. T.R.	*	3247870) Opposition Proceedir Patent No. 3247870) Decision on Appeal n 3247870) Notice of Reasons for Patent No. 3253589) Notice of Final Reject Patent No. 3253589) Decision on Appeal n 3253589) Notice of Reasons for which is a divisional a	Rejection nailed Cotob Rejection railed Octob Rejection rappin: of JP Rejection rappin. of JP and English	per 23, 2001 in corresponding JP applied mailed March 21, 2000 in corresponding JP applied per 23, 2001 in corresponding JP applied was a series and a series ponding JP applied mailed March 16, 2004 in corresponding JP applied mailed March 16, 2004 in corresponding 10-220219	P application No. 10 g JP application eation No. 10 g JP application g JP application	0-220219 (ation No. 10 n No. 10-22 0-220220 (ation No. 20	20219 (JI JP Paten 0-220220 20220 (JI JP Paten 001-4440	P It No. It No. It No. It No. It No.

^{*} Did not Receive these NPL -5.

INFORMATION DISCLOSURE		ATTY. D	OCKET NO.	SE	ERIAL NO.					
	CITATION	829-6	20	10	0/771,263		ric, IMC 1992 tical Imaging Applications, SID			
		APPLIC	ANT							
		SHIM	IADA et al							
(Us	se several sheets if necessary)	FILING	DATE	GF	ROUP					
		Febru	ary 4, 2004	28	371					
			S. PATENT DO							
*EXAMINER	······································									
INITIAL	DOCUMENT NUMBER	DATE		NAME	CLASS_	SUBCLASS	IF APPRO	PRIATE		
	 									
							 			
	- 			 						
					-					
	 		· · ·							
										
	 							 -		
				-	_					
			REIGN PATENT	DOCUMENTS		<u>l</u>				
			TEIGHT ATENT	50002.11.0			TRANSI	LATION		
	DOCUMENT		DATE COUNT		CLASS	SUBCLASS				
	T		· · · · · · · · · · · · · · · · · · ·							
	 									
					+		•			
	OTHER DOCU	MENTS (in	cluding Author.	Title, Date, Pertine	nt pages, e	lc.)				
	Stanley Wolf et al., Silic	on Proces	sing For The VLS	SI Era, vol. 1, Proces	s Technolog	y, Lattice P	ress, Su	nset		
*	Beach, CA., 1986.									
*	Tadanori Shimoto et al.				cyclobutene	Dielectric, J	MC 199	2		
	Proceedings, Yokoham Willem den Boer et al.,	ia, Jun. 35	-5, 1992, pp: 325	5-330. na Balumar Interlaye	al Diologario	Olectical	Imagina			
*	Systems, Inc., Northvill	e. Mi. USA	ule if i LCD us	ng Polymer inteneve		Ope Optical	ımayıng	,		
	M.J. Radler et al., Cycl	stene.TM.	Advanced Electro	nics Resins for High	15-Aperture	AMLCD App	lications	s, SID		
*	96 Applications Digest,									
. L	Eric P. Finchem et al.,				ss Designed	& Develope	d for			
*	Manufacturability, TriQ				ienlay Applie	ations Proc	eedings	of the		
*										
	65-8, 1996).	, manara		осо., рр. _	,	- (
*	M.W. Friends, Determine									
*	Willem den Boer, A Tw		Pixel Circuit and A	ddressing Method for	or MIM LCD	s, OIS Optic	al Syste	ms,		
	Inc., Northville, Mt, US/		o Booine Brees	oing Guido Dr. Obeta	6-Imagaahla	BCB Davi	Chamin	al Co		
*	Tech Notes, Advanced	Electronic	s Hesins, Proces	sing Guide tox Photo	o-imageable	, DOM (a) a	Chemic	ai U0.,		
*Examiner	# He	2/6-	7	Date Considered	03/03	105				
	if reference considered, whether or	not citation is in	Conformance with MPE			rmance and not	considered	Include		
	with next communication to applicati					Form PTO-F8-				
						-prm P1(J-PM-/	40ZU LAIRO	- LU-1445		

INFORMATION DISCLOSURE **CITATION**

ATTY. DOCKET NO.

SERIAL NO.

10/771,263

SHIMADA et al

(Use several sheets if necessary)

FILING DATE

829-620

APPLICANT

GROUP

				2871			
		U.S	. PATENT DOCUMENTS			=	B. ===
EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING	DATE
INITIAL F.R.C	4,759,610	7-1988	Yanagisawa	349	162	.,	
7.R.C	4,551,416	11-1985	Chandross et al.	430	311		
T.B. C	. 4,745,042	5-1988	Endo et al.	430	156		
	5,320,920	6-1994	Isoda et al.	430	7		
T.R.C	3,020,020	0 1007	10000 01 011	1975			
	 						
		 					
		 - -					
<u>-</u>		 				-	
		 					
			1				
· · · · · · · · · · · · · · · · · · ·							
<u></u>	<u> </u>	FOR	EIGN PATENT DOCUMENTS				
 						TRANS	LATION
	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
T.R.C	0 555 100 A1	8-1993	EP				
T.R.C	0 603 866 A1	6-1994	EP				
T. B. C	0 644 452 A2	3-1995	EP				
(1.1)							
	<u> </u>	 			· · · · · · · · · · · · · · · · · · ·	<u> </u>	
		 	······································		-		<u> </u>
		 			 	 	
-		 			 		
	OTHER DO	LIMENTS (:-	cluding Author, Title, Date, Per	tinent nages	etc \		1
Γ			ne 4, 2004 in corresponding EP				
	Buropean Search He	pon malica Ju	He 4, 2004 in corresponding EP /	ippiivativii uz t	TTEUT:0	·····	
-							
 	 						
 	+ 400	2					
Examiner	though	1	Date Considered	03/03	105		

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)